

**STATE OF SOUTH CAROLINA
BEFORE THE PUBLIC SERVICE COMMISSION
Docket No. 2022-93-E
Docket No. 2022-97-E**

In the Matter of:

Application of SR Lambert I, LLC for a Certificate of
Environmental Compatibility and Public Convenience
and Necessity for the Construction and Operation of a
100 MW Solar Facility in Georgetown County, South
Carolina Pursuant to S.C. Code Ann. § 58-33-10 et.
seq., and Request to Proceed with Initial Construction
Work, S.C. Code Ann. § 58-33-110(7).

In the Matter of:

Application of SR Lambert II, LLC for a Certificate of
Environmental Compatibility and Public Convenience
and Necessity for the Construction and Operation of a
100 MW Solar Facility in Georgetown County, South
Carolina Pursuant to S.C. Code Ann. § 58-33-10 et.
seq., and Request to Proceed with Initial Construction
Work, S.C. Code Ann. § 58-33-110(7).

**SUPPLEMENTAL DIRECT TESTIMONY OF CONNOR ECHOLS ON BEHALF OF
SR LAMBERT I, LLC AND LAMBERT II, LLC**

May 25, 2022

1 **Q. Please state your name, your position and your business address.**

2 **A.** My name is Connor Echols. My business address is 222 2nd Avenue South, Suite 1900,
3 Nashville, TN 37201. I am Senior Manager, Project Development, Silicon Ranch
4 Corporation (“Silicon Ranch” or “SR”), and I am responsible for the initiation and
5 development of the new the SR Lambert I, LLC (“Lambert I”) and SR Lambert II, LLC
6 (“Lambert II”) solar projects (collectively, the “Projects”) being planned and proposed for
7 South Carolina. The Projects will operate on the S.C. Public Service Authority’s (“Santee
8 Cooper”) system and sell power to both Santee Cooper and Central Electric Power
9 Cooperative, Inc. (“Central”).

10 **Q. Please describe the transmission facilities to which the facility will interconnect and**
11 **how the Projects will be interconnected.**

12 A collection substation will be constructed on the Facility Site to facilitate interconnection
13 of the Facility to the grid operated by Santee Cooper. The collection substation will occupy
14 an approximately 300 ft. x 400 ft. section of land adjacent to the Projects’ switchyard and
15 the Santee Cooper 230 kV transmission line. The collection substation will consist of
16 circuit breakers, switching devices, and auxiliary equipment, and will be fenced and locked
17 in accordance with industry standards to provide safety and security.

18
19 Santee Cooper will construct a new Santee Cooper Saints Delight 230kV Switching Station
20 that contains three 230kV terminals in a breaker-and-a-half scheme at a property to be
21 provided by Silicon Ranch near the Lambert I Solar site. Santee Cooper will install five
22 230kV circuit breakers and two 230kV disconnect switches for each circuit breaker.

1 Santee Cooper will break the existing Winyah – Jefferies 230kV line approximately 27.7
2 miles from Jefferies 230-115kV substation towards Winyah 230-115-34.5kv substation.

3 Santee Cooper will terminate the two circuits at the new Santee Cooper Saints Delight
4 230kV switching station. New line sections will be constructed with bundled 1272 ACSR
5 45/7 conductor rated for 2400 ampere continuous operation at 230kV.

6
7 Santee Cooper will also construct approximately one span of conductor to a dead-end
8 structure located outside of the Santee Cooper Saints Delight 230kV Switching Station.
9 This structure is to serve as the ownership demarcation point.

10
11 Silicon Ranch will construct a new 230kV tie line from its 230-34.5kV substation to the
12 designated Santee Cooper-owned dead-end structure outside of the new Santee Cooper
13 Saints Delight 230kV Switching Station. Silicon Ranch will install a fiber optic
14 communication cable containing a minimum of 24 single-mode fibers between the Lambert
15 1 230-34.5kV generator substation and the point of interconnection.

16
17 The power that is generated will flow into the 230 kV transmission line crossing the
18 Projects' Sites. A current site map for the Projects is attached hereto as **Exhibit 1**, and
19 incorporated in my testimony.

20 **Q. Will you update your testimony based on information that becomes available?**

21 **A.** Yes. I will revise and add to my testimony on behalf of Lambert I and Lambert II via
22 supplemental or amended testimony if new information becomes available or known.

23 **Q. Does this conclude your testimony?**

- 1 **A.** Yes. Thank you for the opportunity to provide my sworn testimony in this important matter,
2 and I am further glad to provide additional live testimony if needed.